



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0725/S-96, REVISION 0**

400 Seventh Street, S.W.
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model X1084 (Manufactured on or after January 25, 1984).
2. Source Description - Cylindrical single encapsulation made of stainless steel and tungsten inert gas or laser seal welded. Approximate outer dimensions are 50.3 mm (1.98 in.) in diameter and 21.3 mm (0.84 in.) in length. Minimum wall thickness is 0.25 mm (0.01 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA61648, Rev. A.
3. Radioactive Contents - No more than 300.0 GBq (8.11 Ci) of Americium-241. The Am-241 is in the form of an oxide incorporated into a ceramic enamel.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on November 30, 2010.

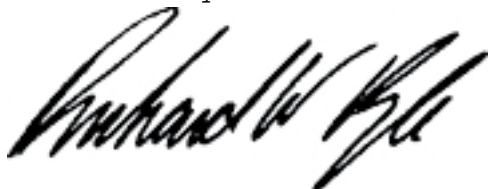
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the November 30, 2005 petition by QSA Global, Inc., Burlington, MA and in consideration of other information on file in this Office.

Certified By:



Dec 12 2005

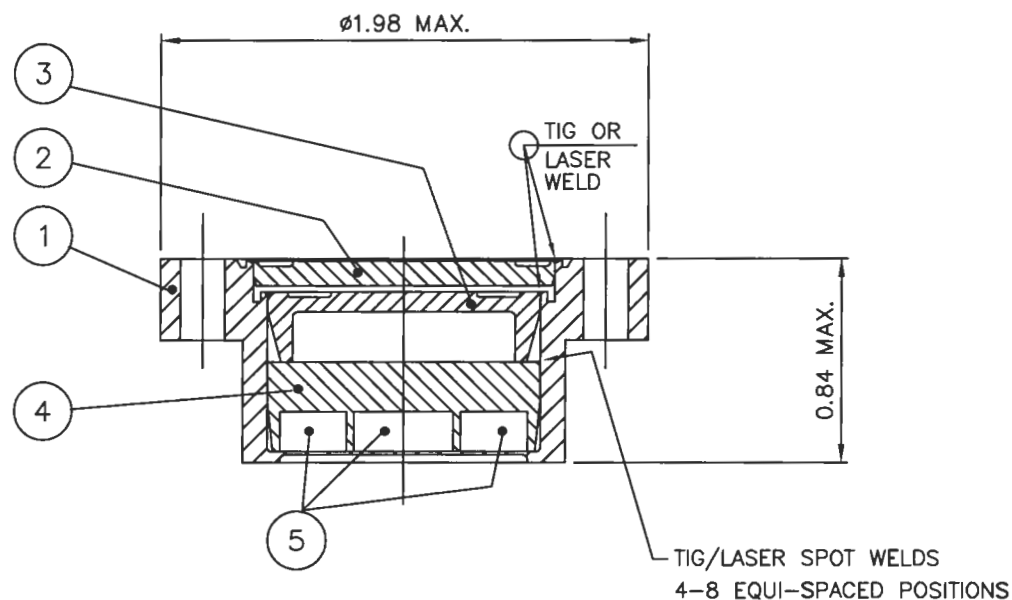
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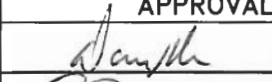
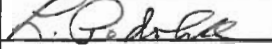

 Robert A. McGuire

Associate Administrator for Hazardous Materials Safety

Revision 0 - Original issue.

Item	Description		No.off
1	BODY	STAIN. STL.	1
2	OUTER LID	STAIN. STL.	1
3	INNER LID	STAIN. STL.	1
4	INSERT	STAIN. STL.	1
5	ACTIVE MATERIAL		A/R



APPROVALS  29 Nov 05  30 Nov 05		 40 NORTH AVE, BURLINGTON, MA 01803		DESCRIPTIVE DRAWING	
DIMENSIONS IN INCHES UNLESS OTHERWISE STATED TOLERANCES:					
X ±0.5 X.X ±0.1 X.XX ±0.05		INTERNAL N7/ EXTERNAL N6/		TITLE X1084 CAPSULE ASSEMBLY	
SIZE A		DWG. NO. RBA61648		REV A	
SCALE: NONE		SHEET 1 OF 1			

ERF #	1201
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